

Title (en)
Solid-state imaging device and camera

Title (de)
Festkörperabbildungsvorrichtung und Kamera

Title (fr)
Dispositif d'imagerie à l'état solide et caméra

Publication
EP 1995783 A3 20100526 (EN)

Application
EP 08008921 A 20080514

Priority
• JP 2007137446 A 20070524
• JP 2007137447 A 20070524

Abstract (en)
[origin: EP1995783A2] A back-side illuminated solid-state imaging device including: a substrate (100); a light-receiving part (110); a second-conductivity-type isolation layer (113); a detection transistor (123); and a reset transistor (124).

IPC 8 full level
H01L 27/146 (2006.01)

CPC (source: EP KR US)
H01L 27/14627 (2013.01 - EP US); **H01L 27/1464** (2013.01 - EP US); **H01L 27/14656** (2013.01 - EP US); **H04N 25/63** (2023.01 - KR); **H04N 25/76** (2023.01 - KR); **H01L 27/14621** (2013.01 - EP US); **H01L 27/1463** (2013.01 - EP US); **H01L 27/14679** (2013.01 - EP US)

Citation (search report)
• [YA] JP 2004259733 A 20040916 - SEIKO EPSON CORP
• [YA] US 2006197007 A1 20060907 - IWABUCHI SHIN [JP], et al
• [YA] US 2006187327 A1 20060824 - MABUCHI KEIJI [JP], et al
• [YA] US 2006043519 A1 20060302 - EZAKI TAKAYUKI [JP]
• [A] EP 0038697 A1 19811028 - SEMICONDUCTOR RES FOUND [JP]
• [A] US 6784933 B1 20040831 - NAKAI HIROTO [JP]

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WO2010151288A1; EP3306677A3; EP2073270A3; EP2491600A4; FR3085231A1; EP2448253A4; EP2216817A1; FR2974237A1; EP2549536A1; WO2010151326A1; WO2010151295A1; WO2010090149A1; WO2010151324A1; US8501520B2; US8687101B2; US8729655B2; US10536659B2; US8264581B2; US8338263B1; US8779544B2; US8018016B2; US8704282B2; WO2010007594A1; WO2010077315A1; EP2387802A1; US8570418B2; US9076704B2; US11195872B2; US11695028B2; US8703528B2; US8896712B2; US8963273B2; US8076746B2; US8735208B2; US8901690B2; US8981516B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 1995783 A2 20081126; EP 1995783 A3 20100526; KR 101466845 B1 20141128; KR 20080103463 A 20081127; TW 200906183 A 20090201; TW I479887 B 20150401; US 2008290382 A1 20081127; US 2012175686 A1 20120712; US 8415725 B2 20130409; US 8674417 B2 20140318

DOCDB simple family (application)
EP 08008921 A 20080514; KR 20080048103 A 20080523; TW 97114921 A 20080423; US 12446808 A 20080521; US 201213425823 A 20120321